

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	03298
<b>Lot Number</b>	000127-1021707
<b>Product</b>	<b>L-Arginine amide dihydrochloride</b>
	L-Arg-NH <sub>2</sub> •2HCl
<b>CAS Number</b>	14975-30-5
<b>Molecular Formula</b>	C <sub>6</sub> H <sub>15</sub> N <sub>3</sub> O•2HCl
<b>Molecular Weight</b>	246.2

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<b>Appearance</b>	White powder
<b>Appearance of Solution</b>	Clear colorless solution (50 mg/mL in Methanol)
<b>Water Content (Karl Fisher)</b>	0.7%
<b>TLC System</b>	n-Butanol/Acetic acid/H <sub>2</sub> O (4/2/2) Methanol/Chloroform/Ammonia 17% (2/2/1) Ethylacetate/Pyridine/Acetic acid/H <sub>2</sub> O (6/5/1/3) Plate : silicagel 60 F <sub>254</sub> Detected by : UV, ninhydrin, chlorine-tolidine
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>24</sup> = 14 ° (C=1 in H <sub>2</sub> O)
<b>Residual Solvents</b>	Methanol : 9.37% Ether : 0.03%
<b>Titration</b>	Chloride content : 25.29% (AgNO <sub>3</sub> )
<b>Purity by TLC</b>	> 99%
<b>Storage</b>	Store at 0 - 8 °C

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**Remarks**

See material safety data sheet for additional information

For laboratory use only

**The foregoing is a copy of the Certificate of Analysis as provided by our supplier**



**Bala Kumar**  
**Quality Control Manager**